HEARING RESEARCH

Vol. 117, Nos. 1–2
March 1998

CONTENTS

Cited in: Biological Abstracts (BIOSIS); Chemical Abstracts; Current Contents/Life Sciences; Current Awareness in Biological Sciences (CABS); Excerpta Medica (EMBASE); Index Medicus; INSPEC; PASCAL M; Reference Update

Research Papers

D.X. Zhang, L. Li, J.B. Kelly and S.H. Wu (Canada)
GABAergic projections from the lateral lemniscus to the inferior colliculus of the rat 1

J.L. Zheng, A.K. Lewis and W.-Q. Gao (USA)
Establishment of conditionally immortalized rat utricular epithelial cell lines using a retrovirus-mediated gene transfer technique 13

J.-M. Huang, C.I. Berlin, S.-T. Lin and B.J.B. Keats (USA)
Low intensities and 1.3 ratio produce distortion product otoacoustic emissions which are larger in heterozygous (+/*dn*) than homozygous (+/+) mice 24

A.A. Jacono, B. Hu, R.D. Kopke, D. Henderson, T.R. Van De Water and H.M. Steinman (USA)
Changes in cochlear antioxidant enzyme activity after sound conditioning and noise exposure in the chinchilla 31

W.S. Rhode (USA)
Neural encoding of single-formant stimuli in the ventral cochlear nucleus of the chinchilla 39

J.R. Schilling, R.L. Miller, M.B. Sachs and E.D. Young (USA)
Frequency-shaped amplification changes the neural representation of speech with noise-induced hearing loss 57

S.M. Vlajkovic, P.R. Thorne, G.D. Housley, D.J.B. Muñoz and I.S. Kendrick (New Zealand)
The pharmacology and kinetics of ecto-nucleotidases in the perilymphatic compartment of the guinea-pig cochlea 71

S.L. McFadden, P. Campo, D. Ding and N. Quaranta (USA, France, Italy)
Effects of noise on inferior colliculus evoked potentials and cochlear anatomy in young and aged chinchillas 81

K.G. Hill, B. Cone-Wesson and G.-B. Liu (Australia)
Development of auditory function in the tammar wallaby *Macropus eugenii* 97

T. Zhang and M.J. Penner (USA)
A new method for the automated detection of spontaneous otoacoustic emissions embedded in noisy data 107

S. Maison, C. Micheyl and L. Collet (France)
Contralateral frequency-modulated tones suppress transient-evoked otoacoustic emissions in humans 114

H. Bouman, S.F.L. Klis, J.C.M.J. de Groot, E.H. Huizing, G.F. Smoorenburg and J.E. Veldman (The Netherlands)
Induction of endolymphatic hydrops in the guinea pig by perisaccular deposition of sepharose beads carrying and not carrying immune complexes 119

I. Jókay, G. Soós, G. Répássy and B. Dezsõ (Hungary)
Apoptosis in the human inner earDetection by in situ end-labeling of fragmented DNA and correlation with other markers 131

Contents continued on inside back cover

CONTENTS DIRECT

ContentsDirect, the ***free*** e-mail alerting service, delivers the table of contents for this journal directly to your PC, prior to publication. The quickest way to register for **ContentsDirect** is via the Internet at: **http://www.elsevier.nl/locate/ContentsDirect**. If you don't have access to the Internet you can register for this service by sending an e-mail message to cdsubs@elsevier.co.uk – specifying the title of the publication you wish to register for.

0378-5955(199803)117:1/2;1-I

(Contents continued from back cover)

H. Furuta, L. Luo, A.F. Ryan and N. Mori (Japan, USA)
Expression of mRNA encoding vasopressin V1a, vasopressin V2, and ANP-B receptors in the rat cochlea 140

J.J. Eggermont and M. Kenmochi (Canada)
Salicylate and quinine selectively increase spontaneous firing rates in secondary auditory cortex 149

L.M. Bianchi and N.W. Gale (USA)
Distribution of Eph-related molecules in the developing and mature cochlea 161

H. Iwai, K. Tomoda, N. Hosaka, S. Miyashima, Y. Suzuka, H. Ikeda, S. Lee, M. Inaba, S. Ikehara and T. Yamashita (Japan)
Induction of immune-mediated hearing loss in SCID mice by injection of MRL/lpr mouse spleen cells 173

M.G. van Emst, C. Giguère and G.F. Smoorenburg (The Netherlands)
Erratum to "The generation of DC potentials in a computational model of the organ of Corti: effects of voltage-dependent K^+ channels in the basolateral membrane of the inner hair cell" [Hear. Res. 115 (1998) 184–196] 178

Calendar of Events 179

Author Index Volume 117 181

Subject Index Volume 117 183

The table of contents of *Hearing Research* is included in ESTOC – Elsevier Science Tables of Contents service – which can be accessed on the World Wide Web at the following URL addresses:
http://www.elsevier.nl/locate/estoc or http://www.elsevier.com/locate/estoc

SUBMISSION PROCEDURE Please submit your manuscript plus three copies of all items including figures (a total of **four** original sets of micrographs should be submitted) and tables to:

Professor Aage Møller
(Editor in Chief)
at the Editorial Office of Hearing Research
P.O. Box 99187
Pittsburgh
PA 15233-4187
USA

Address for courier services:
Cleat Szczepaniak
Editorial Office of Hearing Research
985 Ringgold Street
Pittsburgh
PA 15220
USA

Cleat Szczepaniak
(Editorial secretary)
Tel./Fax +1 (412) 920-1911
E-mail cleats+@pitt.edu

For a full and complete Instructions to Authors, please refer to Hearing Research, Vol. 112, Nos. 1-2, pp. 264–266. The instructions can also be found on the World Wide Web: access under http://www.elsevier.nl or http://www.elsevier.com